

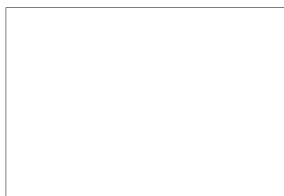
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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**SELECTED ORDNANCE TESTING FACILITIES
IN CHINA**



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7 PAGES

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SELECTED ORDNANCE TESTING FACILITIES IN CHINA

ABSTRACT

1. This report describes key features at six Chinese ordnance testing facilities, three of which are located in the Shen-yang Military Region, two are in the Peking Military Region, and one is in the Lan-chow Military Region. Each ordnance testing facility normally contains three distinct areas: administration and support, ammunition storage, and testing. This report describes key features at each facility and includes a location map and seven annotated photographs.

INTRODUCTION

2. Key recognition features of Chinese ordnance testing facilities include fragmentation collection barriers, test grids (generally circular), firing lanes, firing-in panels or mounds, firing pads for artillery pieces, and observation/instrumentation shields. Ammunition storage areas are generally adjacent to the testing area, are usually separately secured, and contain several ammunition storage bunkers or revetted storage buildings. A separate administration and support area is associated with each testing facility (Figure 1).

BASIC DESCRIPTION

3. Nien-tzu-shan Ammo Test Area New North [] is approximately 6.3 nautical miles (nm) north-northeast of Nien-tzu-shan in Hielungkiang Province, Shen-yang Military Region. The static test area is used for testing of explosive devices which are detonated without being fired from an artillery piece. The basic testing unit consists of a firing pad in the center of a loop road area. Fragmentation panels and barriers arranged in patterns ring the area, and an instrumentation tower is approximately 50 meters (164 feet) away (Figure 2).

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4. Chi-chi-ha-erh Artillery Weapons Test Facility [] is approximately 5.6 nm northeast of Chi-chi-ha-erh, Hielungkiang Province, Shen-yang Military Region. The testing area contains a single artillery weapons firing pad with two semicircular swing guides to accommodate

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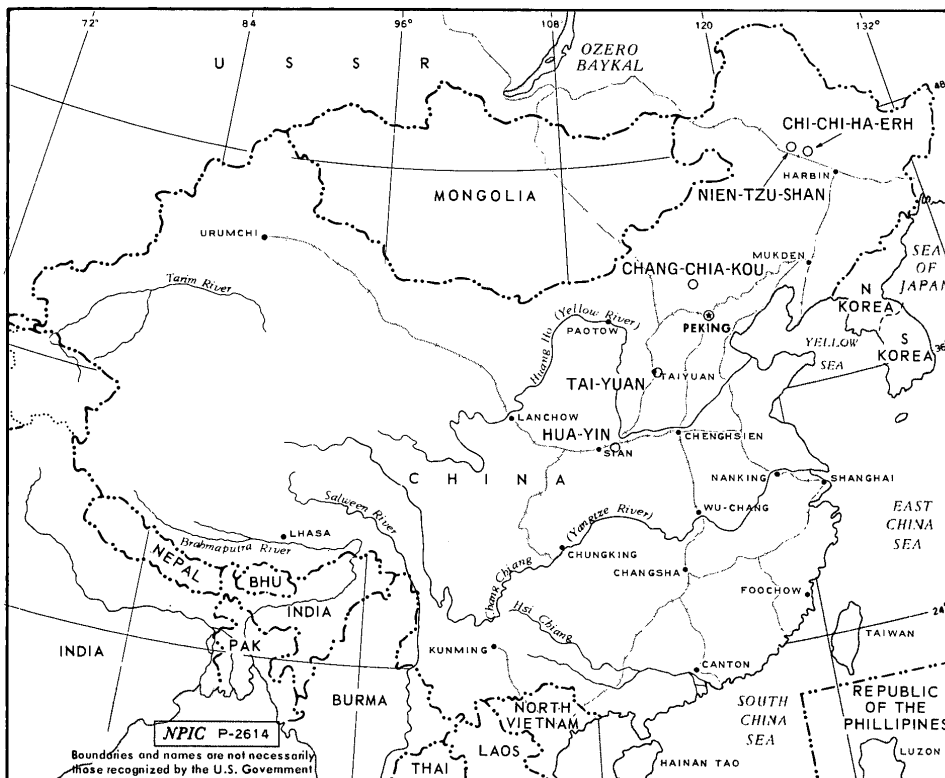


FIGURE 1. SELECTED ORDNANCE TESTING FACILITIES IN CHINA

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large and small artillery pieces (Figure 3). A range control building is adjacent to the firing pad. Two impact bunkers are in line with the firing pad.

5. Chang-chia-kou Ordnance Test Facility [] is approximately 9.5 nm south-southeast of Chang-chia-kou in Hopeh Province, Peking Military Region. This is a facility at which weapons are fired from prepared positions at one end of a firing lane; the projectiles impact into firing-in panels at the other end of the lane (Figure 4). Three such lanes, measuring 214 meters (704 feet), 315 meters (1,033 feet), and 610 meters (2,000 feet), are present at the testing facility. The ammunition storage area at the facility is representative of the type generally found at testing facilities. A small industrial support area contains two drive-through buildings [] for maintenance and checkout of weapons. This area is probably used

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6. Hua-yin Probable Weapons Test Facility [] is approximately 50 nm east-northeast of Hsi-an in Shensi Province, Lan-chou Military Region. This test facility provides an example of a facility employing firing-in mounds (Figures 5 and 6). Weapons at this type of facility are fired from firing pads found at various points within the testing area. The observation/instrumentation shields are representative of the type usually found at testing facilities.

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7. Nien-tzu-shan Ammo Test Area Old South [] is approximately 2.8 nm south-southeast of Nien-tzu-shan, Hielungkiang Province, Shen-yang Military Region. This testing facility includes a direct-fire triangular-shaped range with three distinctive instrumented firing positions (Figure 7). These instrumented positions are employed when testing weapons fired at a test panel and target panels at one corner of the triangle.

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8. Tai-yuan Ordnance Test Facility [] is approximately 15.9 nm northeast of
Tai-yuan, Shansi Province, Peking Military Region. Three of the four firing positions at the test facility
are adjacent to the support area. This is probably why they have been equipped with probable blast
walls and sound deflectors (Figure 8). The fourth firing position, where such protection is unnecessary,
has not been so equipped.

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REFERENCES

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